Technical Standards: Electronic Technology

Students will understand electronic systems, apply problem solving and critical thinking skills, be able to use hand tools and test equipment, be familiar with safety issues and be familiar with career opportunities. Employability skills, leadership and professionalism will be provided through SkillsUSA-VICA and The Professional Development Program. The student will:

Indicator A:
Demonstrate general technical literacy skills which will include written and oral communication, reading and comprehension skills and demonstrate a proficiency in numerical relations, algebra and trigonometry.

Indicator B:
Be familiar with and demonstrate proficiency in safety, soldering, bread boarding, data analysis, troubleshooting and component recognition .

Indicator C:
Demonstrate the proper use of test equipment.

Indicator D:
Construct, analyze and troubleshoot DC and AC circuits.

Indicator E:
Construct, analyze and troubleshoot Solid State Devices and analog circuits .

Indicator F:
Construct, analyze and troubleshoot digital circuits.

Indicator G:
Demonstrate a basic understanding of microcomputer hardware.

Indicator H:
Demonstrate a proficiency in computer operating systems.

Indicator I:
Develop personal and professional skills through involvement with the Skills USA-VICA student organization activities.